SPRINT-M

RUGGEDIZED GNSS RECEIVER

Key Features

- *Multi constellations*

- *Ingress protection IP67*

- *Data security using*

- *Military standard ruggedness*

- *Small form factor*

Based on advanced technology multi-GNSS navigation engine, SPRINT-STD-100 fulfills user's positioning requirements in harsh environment.

SPRINT receiver offers data security using encryption technique and is capable of supporting multiple constellations, including BeiDou, in addition to existing constellations of GPS, GLONASS and Galileo.

SPRINT receiver operates even in weak signal scenarios through high sensitivity signal processing.

SPRINT receiver offers 5 meter positioning accuracy in stand-alone configuration. This product is available in Multi-GNSS configuration and built-in memory.

Standard Features

- Ease of selection between single & multi-constellation based positioning
- Meter level standard position accuracy
- Built-in memory
- Serial interface
- Military standard ruggedness

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GNSS CHARACTERISTICS

- GPS L1 C/A
- GLONASS L1 C/A
- Galileo E1
- BeiDou B1

COMMUNICATIONS

- Serial (RS-232)

POWER CHARACTERISTICS

- Supply voltage: 12V ± 1V
- Current Rating: <150 mA

INTERFACE

- External antenna connector (SMA)
- Serial (RS-232)

ACCURACY SPECIFICATIONS

- Real-Time Accuracy: 5.0m 2D RMS Typical

PHYSICAL CHARACTERISTICS

- Size: 140 x 105 x 45 mm
- Weight: 700 g

ENVIRONMENTAL CHARACTERISTICS

- Operating Temperature: -10˚C to 55˚C
- Vibration (Mil-STD-810G)
- EMI/EMC (Mil-STD-461G)

DATA ENCRYPTION STANDARD

- Key-based encrypting and decryption (AES-128)